ELSEVIER

Coastal Engineering 46 (2002) 315

Coastal Engineering
An International Journal for Coastal, Harbour and Offshore Engineers

www.elsevier.com/locate/coastaleng

Contents of volume 46

Research Papers

Intercomparison of research and practical sand transport models
A.G. Davies, L.C. van Rijn, J.S. Damgaard, J. van de Graaff and J.S. Ribberink 1

A numerical model for wave motions and turbulence flows in front of a composite breakwater
T.-J. Hsu, T. Sakakiyama and P.L.-F. Liu 25

Statistical distribution of wave-surface elevation for second-order random directional ocean waves in finite water depth
J.-B. Song, Y.-J. Hou, Y.-J. He, Y.-H. Wu and B.-S. Yin 51

Phase lags in oscillatory sheet flow: experiments and bed load modelling
C.M. Dohmen-Janssen, D.F. Kroekenstoel, W.N. Hassan and J.S. Ribberink 61

Modeling wave runup with depth-integrated equations
P.J. Lynett, T.-R. Wu and P.L.-F. Liu 89

Controlling spatial oscillations in bed level update schemes
H.K. Johnson and J.A. Zyserman 109

Changes in coastal sediment transport processes due to construction of New Damietta Harbour, Nile Delta, Egypt
H.M. El-Asmar and K. White 127

Unsteady air bubble entrainment and detrainment at a plunging breaker: dominant time scales and similarity of water level variations
H. Chanson, S.-i. Aoki and M. Maruyama 139

Stochastic simulation of episodic soft coastal cliff recession
J.W. Hall, I.C. Meadowcroft, E.M. Lee and P.H.A.J.M. van Gelder 159

Temporal and spatial variations of surf-zone currents and suspended sediment concentration
P. Wang, B.A. Ebersole, E.R. Smith and B.D. Johnson 175

Analytical solutions for storm tide codes
R.J. Sobey 213

Field experiment on secondary wave generation on a barred beach and the consequent evolution of energy dissipation on the beach face
N. Sénéchal, P. Bonneton and H. Dupuis 233

Modelling of wave loads and hydraulic performance of vertical permeable structures
S. Requejo, C. Vidal and I.J. Losada 249

Regeneration of sand waves after dredging
M.A.F. Knaapen and S.J.M.H. Hulscher 277

Laboratory study of wave and turbulence characteristics in narrow-band irregular breaking waves
F.C.K. Ting 291

Contents of volume 46 315

PII: S0378-3839(02)00111-4